

Application No. 10/719,332  
Response to Office Action

Customer No. 01933

**Listing of Claims:**

1. (Currently Amended) A radiation image radiographing apparatus for mammography which radiographs a patient in an upright position comprising:

a radiation source;

5 a subject platform for supporting a subject so as to face the subject to the radiation source while the patient is in the upright position;

a pressure plate, which is movable up and down with respect to the subject platform, for pressing and fixing the subject; and

10 a plurality of supporting platforms for supporting a radiation image information detecting member for detecting radiation image information based on radiation transmitted through the subject, said plurality of supporting platforms being positioned on an opposite side of the subject platform with  
15 respect to the radiation source;

wherein the plurality of supporting platforms are provided at fixed distances from the radiation source, and at least two said supporting platforms are provided at respective different distances from the radiation source;

20 wherein at least one of the supporting platforms is provided at a position suitable for radiographing an absorption contrast image, and at least another one of the supporting platforms is

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provided at a position suitable for radiographing a phase  
contrast image; and

25        wherein each of the plurality of supporting platforms is  
individually movable to be evacuated from a position in which the  
supporting platform faces the radiation source.

Claims 2 and 3 (Canceled).

4. (Previously Presented) The apparatus of claim 1, further  
comprising a controller including a switcher for switching  
between radiography modes corresponding respectively to the  
plurality of supporting platforms,

5        wherein the controller controls irradiation conditions of  
the radiation source in accordance with an output of the  
switcher.

5. (Previously Presented) The apparatus of claim 1, wherein  
the radiation image information detecting member comprises a  
photostimulable phosphor plate.

6. (Previously Presented) The apparatus of claim 1, wherein  
the radiation image information detecting member comprises a flat  
panel detector.

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7. (Original) The apparatus of claim 1, further comprising an input device for inputting a radiography mode.

8. (Previously Presented) The apparatus of claim 7, wherein the input device comprises a radiation operation panel comprising keys for selecting the radiography mode.

9. (Previously Presented) The apparatus of claim 4, wherein each of the plurality of supporting platforms comprises a sensor for detecting whether the supporting platform comprising the sensor is usable for radiography, and

5 wherein at least when the phase contrast radiography is to be performed, the controller automatically obtains one of the radiography modes as a mode to be used based on an output of each sensor with respect to a status of each of the plurality of supporting platforms.

10. (Previously Presented) The apparatus of claim 4, wherein when a magnified image is radiographed using the phase contrast image radiography, the controller reduces a size of the magnified image back to substantially full scale to be output.

Claims 11 and 12 (Canceled).

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13. (Original) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms detachably supports the radiation image information detecting member.

14. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is detachably attached to a body of the radiation image radiographing apparatus.

15. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is swingably mounted on a body of the apparatus.

16. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is retractable.

17. (Previously Presented) The apparatus of claim 1, wherein at least one of the plurality of supporting platforms is mounted on a body of the apparatus to be movable along an irradiation direction of the radiation from the radiation source.

Claim 18 (Canceled).

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19. (Previously Presented) The apparatus of claim 15,  
wherein the at least one of the plurality of supporting platforms  
comprises a cut portion, and is rotatable such that when the at  
least one of the plurality of supporting platforms rotates, at  
5 least a part of one of the other plurality of supporting  
platforms and the subject platform passes through the cut  
portion.

20. (Previously Presented) The apparatus of claim 15,  
wherein said at least one supporting platform that is provided at  
a position suitable for radiographing a phase contrast image  
comprises at least two of the plurality of supporting platforms.

21. (Previously Presented) The apparatus of claim 15,  
wherein sizes of the plurality of supporting platforms and the  
subject platform decrease as distances thereof from the radiation  
source become shorter.

22. (Previously Presented) The apparatus of claim 15,  
wherein the radiation image information detecting member  
supported by a supporting platform located closest to the  
radiation source among the plurality of supporting platforms is  
larger than the subject.

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23. (New) A radiation image radiographing apparatus  
comprising:

a radiation source;

a subject platform for supporting a subject so as to face  
5 the subject to the radiation source; and

a plurality of supporting platforms for supporting a  
radiation image information detecting member for detecting  
radiation image information based on radiation transmitted  
through the subject, said plurality of supporting platforms being  
10 positioned on an opposite side of the subject platform with  
respect to the radiation source;

wherein the plurality of supporting platforms are provided  
at fixed distances from the radiation source, and at least two  
said supporting platforms are provided at respective different  
15 distances from the radiation source;

wherein at least one of the supporting platforms is provided  
at a position suitable for radiographing an absorption contrast  
image, and at least another one of the supporting platforms is  
provided at a position suitable for radiographing a phase  
20 contrast image;

wherein each of the plurality of supporting platforms is  
individually movable to be evacuated from a position in which the  
supporting platform faces the radiation source;

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wherein at least one of the plurality of supporting  
25 platforms is swingably mounted on a body of the apparatus; and  
wherein the at least one of the plurality of supporting  
platforms comprises a cut portion, and is rotatable such that  
when the at least one of the plurality of supporting platforms  
rotates, at least a part of one of the other plurality of  
30 supporting platforms and the subject platform passes through the  
cut portion.

24. (New) A radiation image radiographing apparatus  
comprising:

a radiation source;

a subject platform for supporting a subject so as to face  
5 the subject to the radiation source; and

a plurality of supporting platforms for supporting a  
radiation image information detecting member for detecting  
radiation image information based on radiation transmitted  
through the subject, said plurality of supporting platforms being  
10 positioned on an opposite side of the subject platform with  
respect to the radiation source;

wherein the plurality of supporting platforms are provided  
at fixed distances from the radiation source, and at least two  
said supporting platforms are provided at respective different  
15 distances from the radiation source;

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wherein at least one of the supporting platforms is provided at a position suitable for radiographing an absorption contrast image, and at least another one of the supporting platforms is provided at a position suitable for radiographing a phase

20 contrast image;

wherein each of the plurality of supporting platforms is individually movable to be evacuated from a position in which the supporting platform faces the radiation source;

25 wherein at least one of the plurality of supporting platforms is swingably mounted on a body of the apparatus; and

wherein sizes of the plurality of supporting platforms and the subject platform decrease as distances thereof from the radiation source become shorter.